BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at Srinivaspura Hanumannaswamy Temple Road (Bande Road) in Ward No. 05 Byatarayanapura Sub Division

									Estimate Cost Rs.	2350000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount	
1	KSRRB 300 Excavation for road formation KSRRB 300-3. Earth work excavation and foming in embankment by manual means in ordinary soil with initial lead upto 15m, and lift of 1.5m, (when earth Is taken from bank cutting of from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (excluding watering and compaction of earth) MORTH chapter 3. No. 141/ Item No. 19.3/ PWD SR 2015-16	cum								
	Road Surface									
			1	167.00	4.75	0.30	237.98			
			1	15.70	5.00	0.30	23.55			
							261.53	105.84	**27680.00**	
	Basic Rate	98.00								
	Area Weightage @ 8%	7.84								
	Total	**105.84**								
2	KSRRB 300-1. Earth work excavation by manual means in Hard Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.2/ PWD SR 2015-16	Cum								
	For Slab Drain									
			2	167.00	0.45	0.45	67.64			
			2	15.70	0.45	0.45	6.36			
	Culverts		2	6.50	1.95	1.10	27.89			
							101.88	115.56	**11773.00**	
	Basic Rate	107.00								
	Area Weightage @ 8%	8.56								
	Total	**115.56**								
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2015-16	**Sqm**								
	For New Slab Drains									
	Srinivaspura Shettappa layout 2nd Cross		2	167.00	1.35		450.90			
	3rd Cross		2	15.70	1.35		42.39			
							493.29	663.12	**327110.00**	
	Basic Rate	614.00								
	Area Weightage @ 8%	49.12								
	Total	**663.12**								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2015-16	Cum							
	Concrete Road								
			1	167.00	4.75	0.15	118.99		
			1	15.70	5.00	0.15	11.78		
	Culverts		2	6.50	1.95	0.15	3.80		
							134.57	5070.60	**682325.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							
5	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2015-16	cum							
	Culverts		2X2	6.50	0.60	0.45	7.02		
							7.02	4135.32	**29030.00**
	Basic Rate	3829.00							
	Area Weightage @ 8%	306.32							
	Total	**4135.32**							
6	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2015-16	Sqm							
	Culverts		2X2	6.50	0.50	0.45	5.85		
							5.85	**4905.36**	28696.00
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	**4905.36**							
7	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2015-16	Sqm							
	Culverts		2	6.50	0.60		7.80		
	For Sides		2X2	6.50	0.23		5.98		
			2X2	1.65	0.23		1.52		
							15.30	**270.00**	**4130.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	**250.00**							
	Area Weightage @ 8%	20.00							
	Total	**270.00**							
8	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2015-16	**cum**							
	Culverts		2X2	6.50	0.50	0.10	1.30		
	Vent Bed		2	6.50	0.60	0.10	0.78		
							2.08	5491.80	**11423.00**
	Basic Rate	5085.00							
	Area Weightage @ 8%	406.80							
	Total	**5491.80**							
9	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2015-16	Sqm							
	Culverts		2X2	6.50		0.50	13.00		
							13.00	99.36	**1292.00**
	Basic Rate	92.00							
	Area Weightage @ 8%	7.36							
	Total	**99.36**							
10	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	**Cum**							
	Culverts		2	6.50	1.65	0.23	4.93		
	SWD Drain Slab		1	9.50	5.50	0.30	15.68		
							20.61	6198.12	**127734.00**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16	Qtl							
	FOR Culverts 0.70 Ton/Cum		0.070	4.93			**0.35**		
	For SWD Drain Slabs 0.125 tons/Cum		0.125	15.68			**1.96**		
							2.30	64074.14	**147673.00**
	Basic Rate	59327.91							
	Area Weightage @ 8%	4746.23							
	Total	**64074.14**							
12	KSRRB M300-53 : Construction of embankment with approved material Gravel/Murrum with all lifts and leads, trasnporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. **(Page No. 144 & Item No. 19.60) PWD SR 2015-16**	**Cum**							
			1	167.00	4.75	0.25	198.31		
			1	15.70	5.00	0.25	19.63		
							217.94	311.04	**67787.00**
	Basic Rate	288.00							
	Area Weightage @ 8%	23.04							
	Total	**311.04**							
13	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2015-16	Cum							
			1	167.00	4.75	0.10	79.33		
			1	15.70	5.00	0.10	7.85		
							87.18	6332.04	**551996.00**
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	**6332.04**							
14	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 233/ Item No. 31.3 PWD SR 2015-16	M							

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	main Road		35	5.20		166.25	182.00		25747.00
	Cross Road		4	6.00		20.00	24.00		
							206.00	138.24	28477.00
	Basic Rate	128.00				186.25			
	Area Weightage @ 8%	10.24							
	Total	**138.24**							
1	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2015-16	Sqm			4.75			793.25	
			1	167.00	5.20		868.40	78.50	
			1	16.70	6.00	5.00	94.20		
							962.60	97.20	93565.00
	Basic Rate	90.00					871.25		
	Area Weightage @ 8%	7.20							84734.00
	Total	**97.20**							
16	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum					363.40		26659
			Qty. Vide Item No. 1				390.66		
							390.66	73.36	28659.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.36							
	PWD SR 2015-16 (P.118/I.17.1) For loading	68.00							
	Total	**73.36**							2155789.10
							Grand Total		2326363.00
17	For 1% Third Party Inspection Charges + 8% XRIDL Charges							19408.8	23264.00
18	Miscesallaneous Charges	L/S						190	373.00
									2350000.00

Rupees Twenty Three Lakh(s) Fifty Thousand Only

Certificate:

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per PWD SR of 2015-16
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 05(Jakkur)
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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer 7/11/16
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Administrative Approval
Accorded For ..23.50 lakh Rs
Head of A/C....P3111....
CER NO :....48.... Dt:.08.11.16

TA CE (YNK)

Technical Sanction
Accorded For ..23.50 lakh Rs.
Head of A/C....P3111....
CER NO :....68.... Dt:.08.11.16

TA CE (YNK)

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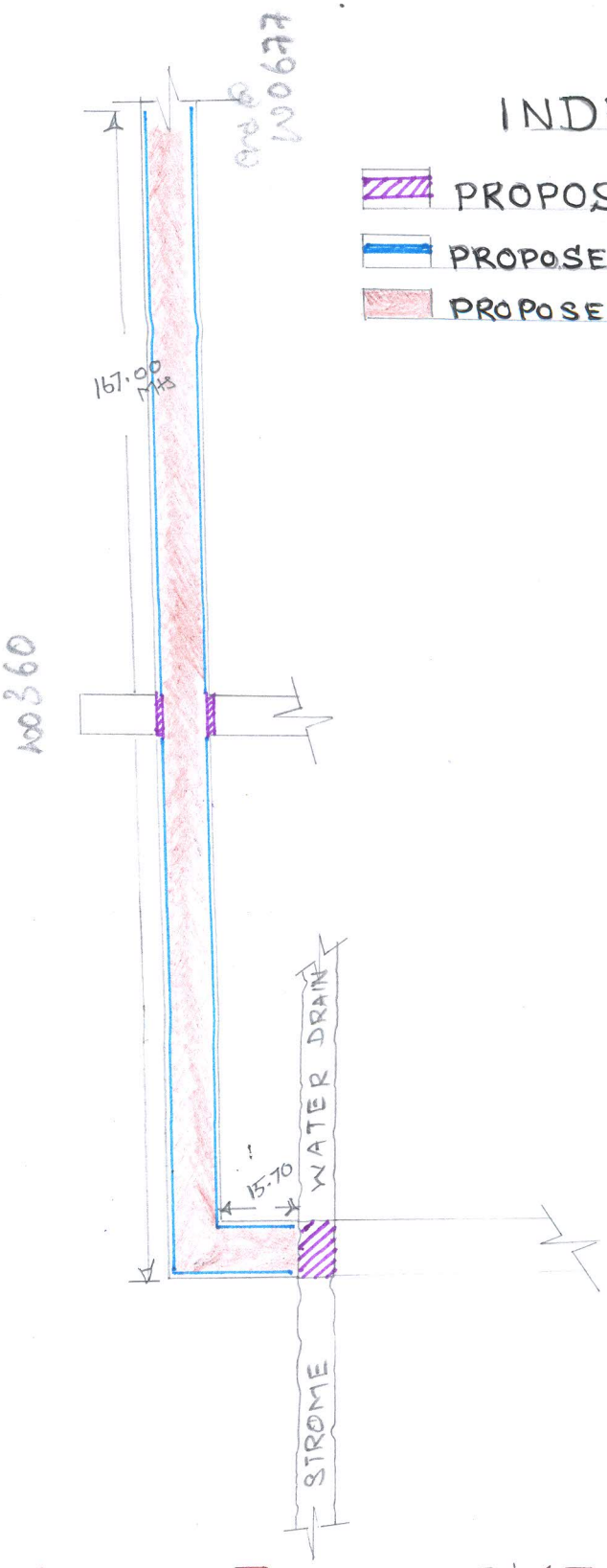

SKETCH SHOWING IMPROVEMENTS to ROADS and DRAINS at SRINIVASPURA HEMANNA SWAMY TEMPLE ROAD (Bande Road) in WARD NO.05 BYATARAYANAPURA SUB DIVISION,

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24